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CE132



User manual

PHILIPS

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1 Safety

Read and understand all instructions before you use this device. If damage is caused by failure to follow instructions, the warranty does not apply.

- Modification of the product could result in hazardous radiation of EMC or other unsafe operation.
- The device is designed for negative ground (earth) 12 V DC operation only.
- To ensure safe driving, adjust the volume to a safe and comfortable level.
- Improper fuses can cause damage or fire. When you need to change the fuse, consult a professional.
- Use only the supplied mounting hardware for a safe and secure installation.
- To avoid short circuits, do not expose the device to rain or water.
- The device shall not be exposed to dripping or splashing.
- Do not place any sources of danger on the device (e.g. liquid filled objects, lighted candles).
- Never insert objects into the ventilation slots or other openings on the device.
- Clean the device with soft, damp cloth. Never use substances such as alcohol, chemicals or household cleaners on the device.

2 Your car audio system

Congratulations on your purchase, and welcome to Philips! To fully benefit from the support that Philips offers, register your product at www.philips.com/welcome.

Introduction

With this system, you can:

- enjoy audio from USB storage devices, SD/SDHC card, and other external players, and
- listen to radio stations.

You can enrich sound output with these sound effects:

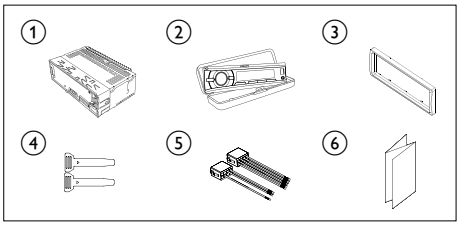
- Dynamic bass boost (DBB)
- Digital sound control (DSC)

Playable media:

- USB storage device
 - Compatibility: USB 2.0, USB 1.1
 - Class support: MSC (Mass Storage Class)
 - Maximum capacity: 32 GB
- SD/SDHC card
 - Maximum capacity: 32 GB
- Files
 - File system: FAT16, FAT32
 - Maximum number of folders: 99
 - Maximum number of tracks/files: 999
 - Maximum level of directory: 8
 - .mp3 files
 Sampling frequencies: 32 kHz, 44.1 kHz, 48 kHz
 Bitrates: 8-320 kbps and variable bitrates
 - .wma files
 Versions: V4, V7, V8, V9 (L1 and L2)
 Sampling frequencies: 44.1 kHz, 48 kHz
 Bitrates: 64-192 kbps and variable bitrates
 - ID3 tag V2.0 or later
 - **Unsupported files:**
 AAC, WAV, and PCM files
 DRM protected WMA files (.wav, .m4a, .m4p, .mp4, and .aac)
 WMA files in lossless format

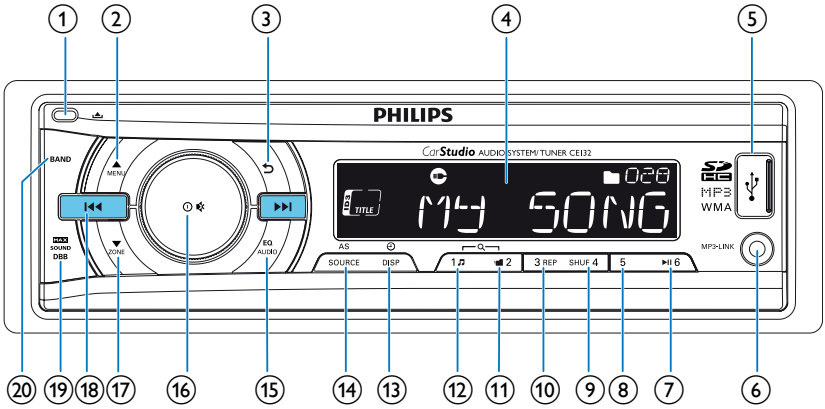
What's in the box

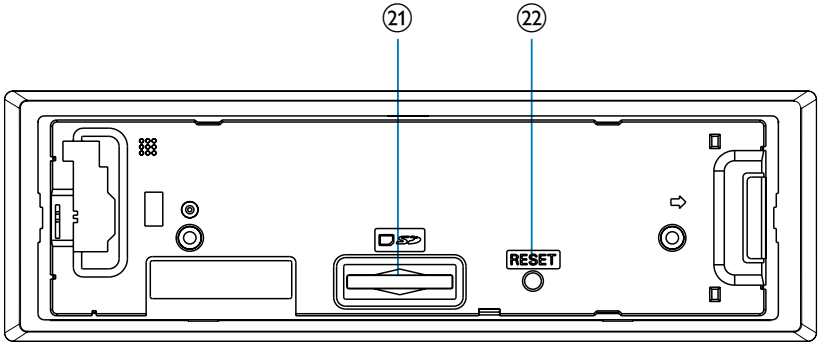
Check and identify the contents of the package:



1. **Main unit (with a sleeve)**
2. **Carrying case (with front panel included)**
3. **Trim plate**
4. **Disassembly tool X 2**
5. **ISO male connector X 2**
6. **User manual**

Overview of the system





① ⏏
- Unlock the front panel.

② ▲ MENU
- For .wma and .mp3 tracks, press to select the previous folder.
- Press and hold to access the system menu.
- Press to select a tuner band.

③ ⮌
- Return to the previous menu.

④ LCD screen

⑤ ⇤
- Connect to a USB storage device.

⑥ MP3-LINK
- Connect to the audio output socket (usually the headphone socket) of an external device.

⑦ ▶II 6
- Start, pause, or resume the play of tracks.
- In radio mode, press to select the preset radio station of No. 6.
- In radio mode, press and hold to store the current radio station at channel No. 6.

⑧ 5

- In radio mode, press to select the preset radio station of No. 5.
- In radio mode, press and hold to store the current radio station at channel No. 5.

⑨ SHUF 4

- In radio mode, press to select the preset radio station of No. 4.
- In radio mode, press and hold to store the current radio station at channel No. 4.
- For .wma and .mp3 tracks, press repeatedly to select a play mode: play all tracks randomly (**[SHU ALL]**), play tracks in the current folder randomly (**[SHU FLD]**), or play all tracks in the storage device in sequence (**[SHU OFF]**).

⑩ 3 REP

- In radio mode, press to select the preset radio station of No. 3.
- In radio mode, press and hold to store the current radio station at channel No. 3.
- For .wma and .mp3 tracks, press repeatedly to select a repeat mode: repeat the current track (**[REP ONE]**), repeat all tracks in the current folder (**[RPT FLD]**), or repeat all tracks in the storage device (**[RPT ALL]**).

⑪ 2

- In radio mode, press to select the preset radio station of No. 2.
- In radio mode, press and hold to store the current radio station at channel No. 2.
- For .wma and .mp3 tracks, press to access the folder list.

⑫ 1

- In radio mode, press to select the preset radio station of No. 1.
- In radio mode, press and hold to store the current radio station at channel No. 1.
- For .wma and .mp3 tracks, press to access the track list.

⑬ /DSP

- Press repeatedly to display available information about the current track.
- Press repeatedly to display available RDS information.
- Press and hold to display the set clock.

⑭ AS/SOURCE

- Press repeatedly to select a source.
- In radio mode, press and hold to activate the automatic search of radio stations.

⑮ EQ AUDIO

- Press repeatedly to select a preset sound equalizer.
- Press and hold to activate the setup of bass, treble, balance, and fader.

⑯

- Press to turn on the system.
- Press and hold to turn off the system.
- Press to mute the speakers or release them from mute status.
- Press to confirm an option.
- Rotate to switch between menu options.
- Rotate to adjust the volume level.

⑰ ZONE

- For .wma and .mp3 tracks, press to select the next folder.
- Press and hold to activate the selection of listening zones.
- Press to select a tuner band.

⑱ ◀◀ / ▶▶

- Tune to a radio station.
- Press to skip to the previous/next track.
- Press and hold to rewind a track or search fast forward.

⑲ MAX SOUND DBB

- Press to enable or disable the maximum volume.
- Press and hold to enable or disable the DBB (dynamic bass boost) sound effect.

⑳ BAND

- Press repeatedly to select a tuner band.

㉑ Slot for SD/SDHC card

- Insert an SD/SDHC card.

㉒ RESET

- Press to reset the system to factory default settings.

3 Install the car audio system

Caution

- Use the controls only as stated in this user manual.

Always follow the instructions in this chapter in sequence.
These instructions are for a typical installation. However, if your car has different requirements, make the adjustment accordingly. If you have any question regarding installation kits, consult your local retailer.

Note

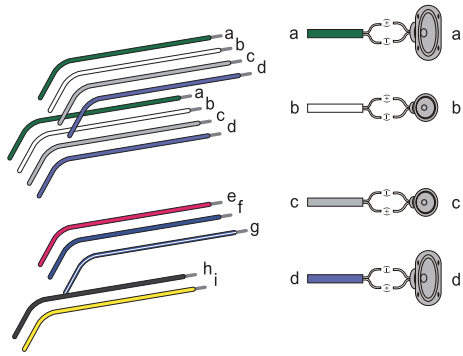
- This system is designed for negative ground (earth) 12V DC operation only.
- Always install this system in the car dashboard. Other locations can be dangerous as the rear of the system heats up during use.
- To avoid short-circuit: before you connect, make sure that the ignition is off.
- Make sure that you connect the yellow and red power supply leads after all other leads are connected.
- Make sure that all loose leads are insulated with electrical tape.
- Make sure that the leads do not get caught under screws iron parts that will move (e.g. seat rail).
- Make sure that all ground (earth) leads are run to a common ground (earth) point.
- Use only the supplied mounting hardware for a safe and secure installation.
- Improper fuses can cause damage or fire. When you need to change the fuse, consult a professional.
- When you connect other devices to this system, make sure that the rating of the car circuit is higher than the total fuse value of all the connected devices.
- Never connect speaker wires to the metal body or chassis of the car.
- Never connect speaker wires with stripes to one another.

Connect wires

Note

- Make sure that all loose leads are insulated with electrical tape.
- Consult a professional to connect wires as instructed below.

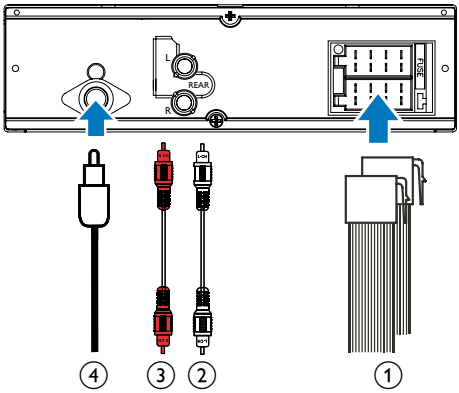
1 Check the car's wiring carefully and connect them to the the ISO male connectors.



	ISO male connectors	Connect to
1	Green strip, black-edged green strip	Rear left speaker
2	White strip, black-edged white strip	Front left speaker
3	Gray strip, black-edged gray strip	Front right speaker
4	Purple strip, black-edged purple strip	Rear right speaker
e	Red strip	Ignition key +12V DC when ON/ACC
f	Blue strip	Motor/electric antenna relay control lead
g	White-edged blue strip	Amplifier relay control lead
h	Black strip	Ground

	ISO male connectors	Connect to
i	Yellow strip	To the +12V car battery which is energized at all times

2 Connect the antenna and amplifier as illustrated, if applicable.



	Sockets on rear panel	External sockets or connectors
1	For ISO male connectors	As indicated above
2	**REAR L**	Rear left speaker
3	**REAR R**	Rear right speaker
4	**ANTENNA**	Antenna

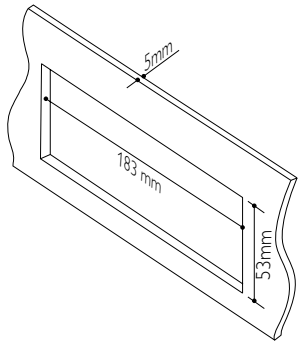
Tip

- The pin arrangement for the ISO connectors depends on the type of your vehicle. To avoid damage to the unit, connect properly.

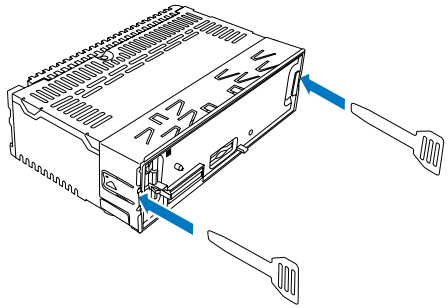
Mount into the dashboard

- If the car does not have an on-board drive or navigation computer, disconnect the negative terminal of the car battery.
- If the car battery is not disconnected, to avoid short-circuit, make sure that the bare wires do not touch each other.

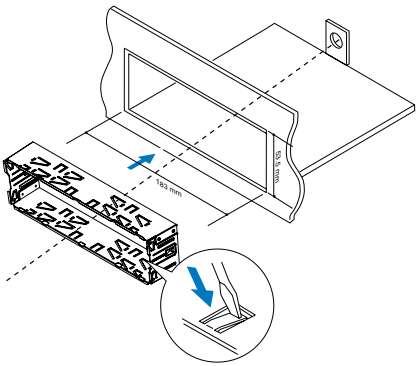
1 Make sure that the car dashboard opening is within these measurements:



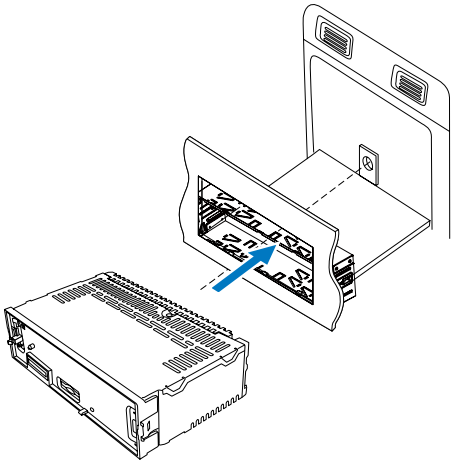
2 Remove the mounting sleeve with the supplied disassembly tools.



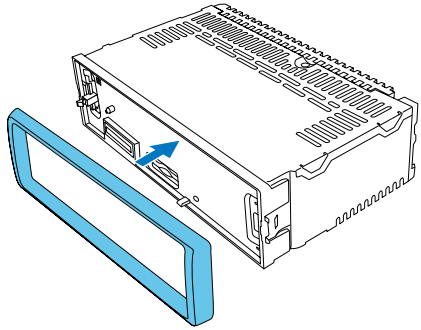
3 Install the sleeve into the dashboard and bend the tabs outward to fix the sleeve.



4 Slide the unit into the dashboard until you hear a "click".



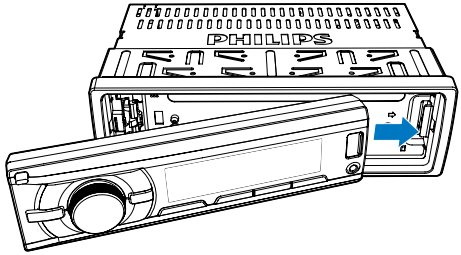
5 Attach the trim plate.



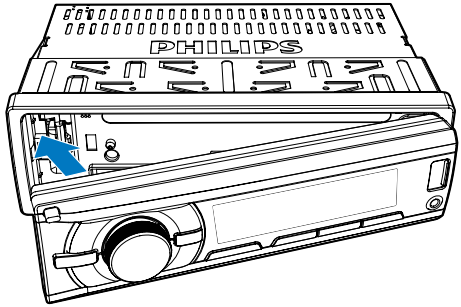
6 Reconnect the negative terminal of the car battery.

Attach the front panel

1 Insert the notch on the front panel to the chassis on the main unit.



2 Press the left end of the front panel inwards until it is securely locked with a "click".

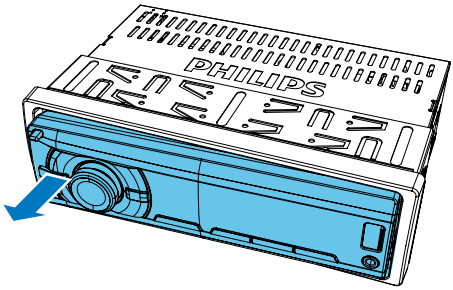


Detach the front panel

Note

- Before you insert an SD/SDHC card or reset the system, detach the front panel.
- Before you detach the front panel, make sure that the system is turned off.

1 Press ⏏ to release the front panel.
2 Pull the front panel outwards to remove it.



4 Get started

For the first time use

1 Press ⏻ to turn on the system.
 ↳ **[PHILIPS]** is displayed and then **[SELECT OPERATING REGION]** (select a radio region) scrolls.

2 When one of the following options is displayed, rotate ⏻ to select a radio region that matches your location.
- **[AREA EUROPE]** (Western Europe)
- **[AREA ASIA]** (Asia Pacific)
- **[AREA MID--EAST]** (Middle East)
- **[AREA AUST]** (Australia)
- **[AREA RUSSIA]** (Russia)
- **[AREA USA]** (United States)
- **[AREA LATIN]** (Latin America)
- **[AREA JAPAN]** (Japan)

3 Press ⏻ to confirm.
 ↳ The system switches to radio mode automatically.

- To turn off the system, press and hold ⏻ until the screen backlight is off.

Set the time format

1 Press and hold ▲ MENU to access the system menu.
2 Press ▲ MENU / ▼ ZONE repeatedly until **[CLK 24H]** or **[CLK 12H]** is displayed.
3 Rotate ⏻ to select **[CLK 24H]** or **[CLK 12H]**.
- **[CLK 24H]**: 24-hour time format
- **[CLK 12H]**: 12-hour time format

Set the clock

1 Press and hold ▲ MENU to access the system menu.
2 Press ▲ MENU / ▼ ZONE repeatedly until **[CLK]** is displayed with time digits blinking.
3 Rotate ⏻ anti-clockwise to set the hour.
4 Rotate ⏻ clockwise to set the minute.

Display the clock

Press and hold ⏲ /**DISP** until **[CLK]** and the set clock are displayed.
- To exit the clock display, press any button or rotate ⏻.

Select a source

Press **AS/SOURCE** repeatedly to select a source.
- **[RADIO]**: Listen to FM/AM radio.
- **[MP3--LINK]**: Listen to the audio input through the **MP3-LINK** socket.
- **[USB]**: When a USB storage device is connected and recognized, you can select this source to play audio files that are stored on it.
- **[SD/SDHC]**: When an SD/SDHC card is inserted and recognized, you can select this source to play audio files that are stored on it.

Select a listening zone

1 Press and hold ▼ ZONE until one of the following options is displayed.
 - **[ALL]**: For all passengers
 - **[FRONT-L]**: For the front-left seat only
 - **[FRONT-R]**: For the front-right seat only
 - **[FRONT]**: For front passengers only
2 Press ▲ MENU / ▼ ZONE repeatedly to select a listening zone.

Mute the button beep

The beep sound of buttons is enabled by default.

1. Press and hold MENU to access the system menu.
2. Press MENU / ZONE repeatedly until **[BEEP ON]** or **[BEEP OFF]** is displayed.
 - **[BEEP ON]**: Enable the beep sound of buttons.
 - **[BEEP OFF]**: Mute the beep sound of buttons.
3. Rotate to change the setting.

5 Listen to radio

Select a tuner region

You can select a radio region that matches your location.

1. In radio mode, press and hold MENU to access the system menu.
2. Press MENU / ZONE repeatedly until one of the following options is displayed.
 - **[AREA EUROPE]** (Western Europe)
 - **[AREA ASIA]** (Asia Pacific)
 - **[AREA MID--EAST]** (Middle East)
 - **[AREA AUST]** (Australia)
 - **[AREA RUSSIA]** (Russia)
 - **[AREA USA]** (United States)
 - **[AREA LATIN]** (Latin America)
 - **[AREA JAPAN]** (Japan)
3. Rotate to select a region.

Select a tuner sensitivity

To search for radio stations with strong signals only or more radio stations, you can change the tuner sensitivity.

1. Press and hold MENU to access the system menu.
2. Press MENU / ZONE repeatedly until **[LOC ON]** or **[LOC OFF]** is displayed.
3. Rotate to select a setting.
 - **[LOC ON]**: Search for radio stations with strong signals only.
 - **[LOC OFF]**: Search for radio stations with strong and weak signals.

Search for a radio station

Search for a radio station automatically

Press ⏮ or ⏭ to search for the previous or next radio station with strong signals.

Search for a radio station manually

1. Press and hold ⏮ or ⏭ until **[M]** blinks.
2. Press ⏮ or ⏭ repeatedly until the target frequency is displayed.

Store radio stations in memory

Note

- You can store a maximum of six stations in each band.

Store radio stations automatically

1. Switch the source to **[RADIO]**.
2. Press **BAND**, MENU, or ZONE repeatedly to select a band.
3. Press and hold **AS/SOURCE** until **[STORE---]** is displayed.
 ↳ After the search is complete, the first stored radio station is broadcast automatically.
 - To select a stored radio station, press 1 ♫, 2 ■, 3 REP, SHUF 4, 5, or ⏯ 6.

Store radio stations manually

1 Press **BAND**, MENU, or ZONE repeatedly to select a tuner band.

2 Tune to the radio station that you want to store.

3 Press and hold 1, 2, 3 REP, SHUF 4, 5, or 6 to store the radio station at the selected channel.

- To select a stored radio station, press 1, 2, 3 REP, SHUF 4, 5, or 6.

Play with RDS

The RDS (Radio Data System) function operates only in areas with FM stations broadcasting RDS signals. If you tune to an RDS station, the station name is displayed.

Enable the RDS function

Note

- The RDS function is enabled by default.
- Only when the RDS function is enabled, RDS related settings can be accessed.

1 Press and hold MENU to access the system menu.

2 Press MENU / ZONE repeatedly until **[RDS ON]** or **[RDS OFF]** is displayed.

3 Rotate to select **[RDS ON]**.
↳ The RDS function is enabled.

- To disable the RDS function, rotate to select **[RDS OFF]**.

Select a program type

Before tuning to RDS stations, you can select a program type to search for programs of the selected category only.

1 Press and hold MENU to access the system menu.

2 Press MENU / ZONE repeatedly until **[PTY]** is displayed.

3 Press to access the list of program types.

4 Rotate to select a program type, and then press to confirm.

Item	Program type	Description
1	NEWS	News services
2	AFFAIRS	Politics and current affairs
3	INFO	Special information programs
4	SPORT	Sports
5	EDUCATE	Education and advanced training
6	DRAMA	Radio plays and literature
7	CULTURE	Culture, religion and society
8	SCIENCE	Science
9	VARIED	Entertainment programs
10	POP M	Pop music
11	ROCK M	Rock music
12	EASY M	Light music
13	LIGHT M	Light classical music
14	CLASSICS	Classical music
15	OTHER M	Special music programs
16	WEATHER	Weather
17	FINANCE	Finance
18	CHILDREN	Children's programs
19	SOCIAL	Social Affairs
20	RELIGION	Religion
21	PHONE IN	Phone In
22	TRAVEL	Travel
23	LEISURE	Leisure
24	JAZZ	Jazz Music
25	COUNTRY	Country Music
26	NATION M	National Music
27	OLDIES	Oldies Music
28	FOLK M	Folk Music
29	DOCUMENT	Documentary

Item	Program type	Description
30	TEST	Alarm Test
31	ALARM	Alarm

Use alternate frequencies

If the signal of an RDS station is poor, enable the AF (Alternate Frequency) function to search for another station that broadcasts the same program.

1. Press and hold MENU to access the system menu.
2. Press MENU / ZONE repeatedly until **[AF ON]** or **[AF OFF]** is displayed.
3. Rotate ⏻ 🔇 to select a setting.
 - **[AF ON]**: Enable the AF function.
 - **[AF OFF]**: Disable the AF function.

Set the region for AF tuning

You can set the region for AF tuning.

1. Press and hold MENU to access the system menu.
2. Press MENU / ZONE repeatedly until **[REG ON]** or **[REG OFF]** is displayed.
3. Rotate ⏻ 🔇 to select a setting.
 - **[REG ON]**: Only RDS stations in current region can be tuned to automatically.
 - **[REG OFF]**: All RDS stations can be tuned to automatically.

Receive traffic announcement

If you want to receive traffic announcement, enable the TA (Traffic Announcement) function.

1. Press and hold MENU to access the system menu.
2. Press MENU / ZONE repeatedly until **[TA ON]** or **[TA OFF]** is displayed.
3. Rotate ⏻ 🔇 to select a setting.
 - **[TA ON]**: When a traffic announcement is on air, the system automatically switches to the tuner mode and begins to broadcast the traffic announcement. When the traffic announcement is over, the system returns to the previous mode.
 - **[TA OFF]**: Traffic announcement does not cut in.

Tip

- When a traffic announcement cuts in, you can press ⮌ to switch the system to the previous mode.

Synchronize the system clock

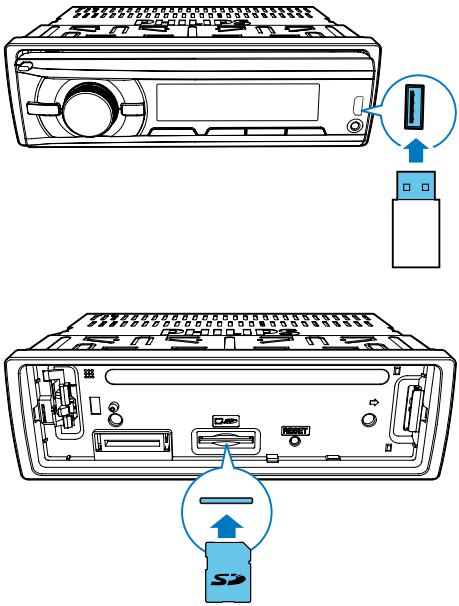
You can synchronize the system clock with an RDS station that transmits time signals.

1. Press and hold MENU to access the system menu.
2. Press MENU / ZONE repeatedly until **[CT ON]** or **[CT OFF]** is displayed.
3. Rotate ⏻ 🔇 to select a setting.
 - **[CT ON]**: Synchronize the system clock with the RDS station automatically.
 - **[CT OFF]**: The automatic clock synchronization with RDS station is disabled.

Tip

- The accuracy of time depends on the RDS station that transmits time signals.

6 Play from a storage device



1 Connect a compatible USB storage device or SD/SDHC card.
 - For an SD/SDHC card, detach the front panel first, insert the card into the card slot, and then attach the front panel.

2 Switch the source to **[USB]** or **[SD/SDHC]**.
 - When a USB storage device is connected and recognized, the system switches the source to **[USB]** automatically.

3 If the play does not start, press ▶II 6.

Control play

Button	Function
▲ MENU / ▼ ZONE	Press repeatedly to select a folder.
▶II 6	Pause or resume play.
I◀◀ / ▶▶I	Press to play the previous or next track.
I◀◀ / ▶▶I	Press and hold to rewind a track or search forward fast.
🕘 /DISP	Press repeatedly to display available information about the current track.
3 REP	Press repeatedly to select a repeat mode: • **[REP ONE]:** repeat the current track, • **[RPT FLD]:** repeat all tracks in the current folder, or • **[RPT ALL]:** repeat all tracks in the storage device.
SHUF 4	Press repeatedly to select a play mode: • **[SHU ALL]:** play all tracks randomly, • **[SHU FLD]:** play tracks in the current folder randomly, or • **[SHU OFF]:** play all tracks in the storage device in sequence.

Switch tracks

During play, you can switch tracks or folders quickly.

Switch tracks directly

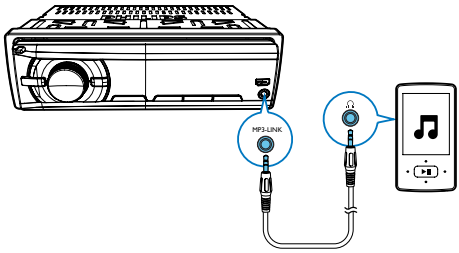
1. Press 1 to access the track list.
 ↳ The file name of current track scrolls.
2. Rotate to toggle through tracks.
3. Press to play the selected track.

Switch folders for a track

1. Press 2 to access the folder list.
 ↳ The name of current folder scrolls.
2. Rotate to toggle through folders.
3. Press to select the folder.
 ↳ The system starts playing the first track under the folder.

7 Listen to an external device

You can use the system to amplify the audio input from an external device, for example, MP3 player.



1 Switch the source to **[MP3--LINK]**.

2 Connect an MP3 link cable to
- the **MP3-LINK** socket on the system, and
- the audio output socket (usually the headphone socket) on the external device.

3 Play the external device.

8 Adjust sound

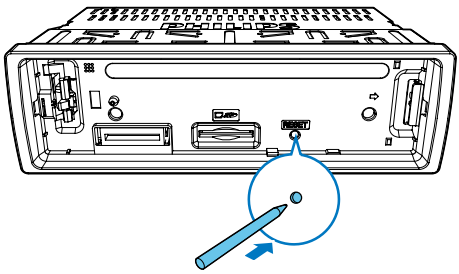
The following operations are applicable to all supported media.

Button	Function
	Rotate to increase or decrease the volume level.
	Press to mute the speakers or release them from mute status.
MAX SOUND DBB	Press to enable or disable the maximum volume.
MAX SOUND DBB	Press and hold to enable or disable the Dynamic Bass Boost (DBB) effect.
EQ AUDIO	Press repeatedly to select a sound equalizer.
EQ AUDIO	1 Press and hold to activate the setup of customized sound equalizer. 2 Press repeatedly to select an option: **[BAS]** (bass), **[TRE]** (treble), **[BAL]** (balance), or **[FAD]** (fader). 3 Rotate to adjust the setting.

9 Additional information

Reset the system

If the system works abnormally, reset the system to factory default settings.

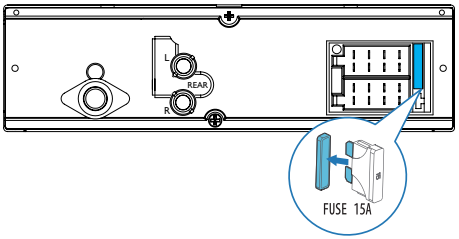


1 Detach the front panel.
2 Press the **RESET** button with the tip of a ball-point pen or toothpick.
 ↳ All settings are reset to factory default.

Replace the fuse

If there is no power, check the fuse and replace it if it is damaged.

1 Check the electric connection.
2 Remove the damaged fuse from the rear panel.
3 Insert a new fuse with the same specifications (15 A).



Note

- If the fuse gets damaged immediately after it is replaced, an internal malfunction may occur. In such case, consult your Philips retailer.

10 Product Information

Note

- Specifications are subject to change without prior notice.

General

Power supply	12 V DC (11 V - 16 V), negative ground
Fuse	15 A
Suitable speaker impedance	4 - 8 Ω
Maximum power output	50 W x 4 channels
Continuous power output	22 W x 4 RMS (4 Ω 10% T.H.D.)
Pre-Amp output voltage	2.5 V
Aux-in level	≥ 500 mV

Radio

Frequency range - FM	87.5 - 108.0 MHz (100kHz per step in auto search and 50kHz per step in manual search)
Usable sensitivity - FM (S/N = 20 dB)	8 µV
Frequency range - AM(MW)	522 - 1620 KHz (9 kHz) 530 - 1710 kHz (10 kHz)
Usable sensitivity - AM(MW) (S/N = 20 dB)	30 µV

11 Troubleshooting

Warning

- Never remove the casing of this product.

To keep the warranty valid, never try to repair the product yourself.
If you encounter problems when using this product, check the following points before requesting service. If the problem remains unsolved, go to the Philips Web page (www.philips.com/support). When you contact Philips, make sure that the product is nearby and the model number and serial number are available.

No power or no sound

- The power supply from car battery is cut off, or the car battery runs out of energy. Power the system with car battery.
- Car engine is not on. Turn the car engine on.
- Cable is not correctly connected. Check connections.
- The fuse is burnt. Replace the fuse.
- Volume is too low. Adjust volume.
- If the above solutions cannot help, press the **RESET** button.
- Make sure that the current track is in a compatible format.

Noise during broadcast

- Signals are too weak. Select other stations with stronger signals.
- Check the connection of the car antenna.
- Change the broadcast setting from stereo to mono.

Preset stations are erased.

- Battery cable is not correctly connected. Connect the battery cable to the terminal that is always live.

Display shows ERR-12.

- Data error. Check the USB storage device or SD/SDHC card.

12 Notice

Any changes or modifications made to this device that are not expressly approved by Philips Consumer Lifestyle may void the user's authority to operate the equipment.

Care of the environment

Your product is designed and manufactured with high quality materials and components, which can be recycled and reused.

When this crossed-out wheeled bin symbol is attached to a product it means that the product is covered by the European Directive 2002/96/EC. Please inform yourself about the local separate collection system for electrical and electronic products.
Please act according to your local rules and do not dispose of your old products with your normal household waste.
Correct disposal of your old product helps to prevent potential negative consequences for the environment and human health.

Environmental information
All unnecessary packaging has been omitted. We have tried to make the packaging easy to separate into three materials: cardboard (box), polystyrene foam (buffer) and polyethylene (bags, protective foam sheet.)
Your system consists of materials which can be recycled and reused if disassembled by a specialized company. Please observe the local regulations regarding the disposal of packaging materials, exhausted batteries and old equipment.

Trademark notice

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Other trademarks and trade names are those of their respective owners.

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13 Glossary

M

MP3
A file format with a sound data compression system. MP3 is the abbreviation of Motion Picture Experts Group 1 (or MPEG-1) Audio Layer 3.

S

SD
Secure Digital. A type of memory card with a flash memory.

SDHC
Secure Digital High Capacity (SDHC) is a type of flash memory card based on the SDA 2.00 specification. The SDA 2.00 specification enables SD cards to reach higher capacities from 4GB to 32GB, and growing.

W

WMA (Windows Media Audio)
An audio format owned by Microsoft, is a part of Microsoft Windows Media technology. Includes Microsoft Digital Rights Management tools, Windows Media Video encoding technology, and Windows Media Audio encoding technology.



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